

### **Abstract**

A power amplifier circuit is disclosed having a first amplification stage and a second amplification stage. The first amplification stage is biased using a controllable current source that provides a variable bias current thereto. A control circuit is provided for controlling the variable bias current in dependence upon the supply voltage and temperature of the power amplifier circuit. The control signal varies the variable bias current in dependence upon the supply voltage varying between first and second potential, where each potential supplies sufficient potential for operation of the power amplifier circuit.